

JAN 16 2001

REMARKS

Applicants ~~traverse~~ the inclusion of claims 47, 49 and 50 in Group II of the Restriction Requirement. Group I was described in the Restriction Requirement as being drawn to polypeptides, while Group II was described as being drawn to nucleic acids. However, Applicants believe that claims 47, 49 and 50 are more closely related to the polypeptides of Group I than the polynucleotides of Group II, and thus properly should have been included in Group I of the Restriction Requirement. Claims 47, 49 and 50 all relate to methods involving the polypeptides of the present invention. As such, they are properly included with the claims of Group I pursuant to MPEP § 806.05 and 37 C.F.R. §1.141(b).

Applicants also submit Exhibit A, which is an alignment of the amino acid sequences 2, 4, 6, 8, 10, 12, 14, 16, 18 and 20. Exhibit A also shows % sequence identity of each sequence to Sequence ID No. 4.

Should the Examiner have further questions or comments with respect to examination of this case, it is respectfully requested that the Examiner telephone the undersigned so that further examination of this application can be expedited.

Respectfully submitted,
Aragula Gururaj Rao, *et al.*

By Steven J. Callistein
Steven J. Callistein
Registration No. 43,525
Attorney for Applicants

Pioneer Hi-Bred International, Inc.
Corporate Intellectual Property
7100 N.W. 62nd Avenue
P.O. Box 1000
Johnston, Iowa 50331-1000
Telephone: (515) 254-2823
Facsimile: (515) 334-6883

EXHIBIT A

SEQUENCES OF BHL PROTEINS

Seq ID No. in '689 App	WT CI-2 (native)	10	20	30	40	50	60	70	80	%Identity to Seq ID 4
2	SSVEKKPEGVNTGAGDRHNLKTEWPELVGKSVEEAKKVIILQDKPEAQIIIVLPVGTIVTMEYRIDRVRLFVDKLDNIAQVPRVG	*	*	*	*	*	*	*	*	100%
4	WT CI-2									
6	BHL1									88%
8	BHL2									83%
10	BHL3									83%
12	BHL3N									83%
14	BHL4									88%
16	BHL5									66%
18	BHL6									69%
20	BHL8									65%

